## WHAT IS CLAIMED IS:

- An organic light-emitting device comprising:
- an emitting layer made of an organic material generating light by charge injection;
- an electrode to supply charges to the emitting layer; and a diamond-like carbon film between the emitting layer and the electrode.
- The organic light-emitting device according to claim 1, wherein
   the electrode is an anode to supply holes to the emitting layer, further comprising:
  - a cathode electrode to supply electrons to the emitting layer;
- a diamond-like carbon film between the emitting layer and the cathode electrode.
  - 3. The organic light-emitting device according to claim 1, wherein the electrode includes a material selected from the group consisting of aluminum and copper.

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An organic light-emitting display apparatus comprising:

a substrate;

an emission control circuit formed on the substrate;

an insulating layer covering the control circuit;

an organic light-emitting device including a first electrode and a

second electrode, and formed on the insulating layer; and

a contact wiring structure for electrically connecting the emission control circuit and the organic light-emitting device, and including

a first conductive layer made of the same material as the first electrode;

a second conductive layer made of the same material as the second electrode; and

a diamond-like carbon film between the first conductive

10 layer and the second conductive layer.

5. The organic light-emitting display apparatus according to claim 4, wherein the first electrode includes a material selected from the group consisting of aluminum and copper.

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- 6. The organic light-emitting display apparatus according to claim 4, wherein the diamond-like carbon film between the first conductive layer and the second conductive layer contains fluorine.
- 7. The organic light-emitting display apparatus according to claim 4, wherein the light-emitting device includes

a light-emitting layer made of an organic material generating light by charge injection; and

a diamond-like carbon film between the emitting layer and the first electrode.

8. The organic light-emitting display apparatus according to claim 7, wherein the diamond-like carbon film between the emitting layer and the first electrode contains fluorine.

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The organic light-emitting display apparatus according to claim 7,
 wherein

the first electrode is an anode to supply holes to the emitting layer,

the second electrode is a cathode to supply electrons to the emitting layer, and

the light-emitting device further includes a diamond-like carbon film between the emitting layer and the second electrode.

- 15 10. The organic light-emitting display apparatus according to claim 9, wherein the diamond-like carbon film between the emitting layer and the second electrode contains fluorine.
- 11. The organic light-emitting display apparatus according to claim 4,20 wherein the second electrode includes a material with substantially the same work function as the first electrode.
  - 12. The organic light-emitting display apparatus according to claim 4, wherein the second electrode is made of the same material as the first electrode.

13. The organic light-emitting display apparatus according to claim 4, wherein

the emission control circuit includes

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a driver device controlling current supplied to the organic light-emitting device, and

a switching device controlling the driver device based on a scan signal and a data signal, and

the contact wiring structure is electrically connected to the driver device.

14. A method of manufacturing an organic light-emitting diode display apparatus, comprising:

forming an emission control circuit on a substrate;

forming an insulating layer to cover the emission control circuit;

depositing on the insulating layer a first conductive layer
electrically connected to the emission control circuit;

depositing a first diamond-like carbon layer on the conductive layer;

etching the first conductive layer and the first diamond-like carbon layer with a common mask to divide the first conductive layer into a first layer and a second layer, to divide the first diamond-like carbon layer into a first diamond-like carbon film on the first layer and a second diamond-like carbon film on the second layer; and

forming on the second diamond-like carbon film an emitting

layer made of an organic material generating light by charge injection.

- 15. The method according to claim 14, further comprising depositing a second diamond-like carbon layer over the emitting
  5 layer and the first diamond-like carbon film; and depositing a second conductive layer on the second diamond-like carbon layer.
- 16. The method according to claim 15, further comprising
   etching the second conductive layer and the second
   diamond-like carbon layer with a common mask.
- 17. The method according to claim 15, wherein
   the depositing of the second diamond-like carbon layer and the

   15 depositing of the second conductive layer include depositing under a temperature lower than a glass transition temperature of the organic material.
- 18. A method of manufacturing an organic light-emitting diode20 display apparatus, comprising:

forming an emission control circuit on a substrate;
forming an insulating layer to cover the emission control circuit;
forming an electrode on the insulating layer;

forming on the insulating layer a first conductive layer
25 electrically connected to the emission control circuit;

forming on the electrode an emitting layer made of an organic material generating light by charge injection;

depositing a diamond-like carbon layer over the first conductive layer and the emitting layer; and

depositing a second conductive layer on the diamond-like carbon layer.